SPECIFICATIONS

Gateway 8000 Series
Notebook

Specifications are subject to change without notice or obligation.

Processor and Core Logic

Processor options	One Mobile Intel® Pentium® M CPU
	To determine your notebook's processor, click **Start**, **My Computer**, then click **View System Information**. The processor is listed.
Processor packaging	Intel socketable u-FCPGA
Level 2 cache	2 MB
Chipset-Northbridge	Intel 915PM
Chipset-Southbridge	Intel ICH6-M
Processor side bus speed	400 or 533 MHz
BIOS	■ Phoenix BIOS ■ 512 KB Flash ROM with Boot Block Support ■ SMBIOS 2.3 support ■ Advanced Configuration and Power Interface 2.0 (ACPI 2.0) support ■ Wired for Management 2.0 (WfM 2.0)

System memory

Memory type	400 or 533 MHz DDR2 RAM
Memory expansion options	■ Two 200-pin industry standard DDR2-SODIMM socket, user accessible ■ 2 GB maximum system memory
	To determine your notebook's memory, click **Start**, **My Computer**, then click **View System Information**. The memory is listed.

Video

Graphics controller	▪ ATI Mobility Radeon X700 ▪ 2D hardware acceleration ▪ 3D rendering acceleration ▪ High quality performance texture engine
Video memory	64 or 128 MB
LCD display panel	17.1-inch active matrix (TFT) LCD color display Maximum panel resolution: 1680×1050 Maximum color depth: 32-bit (16.7 million colors)
LCD supported video modes	▪ WXGA ▪ WSXGA
LCD maximum refresh rate	60 Hz
Controls	▪ Brightness level selectable through FN keys (up, down) ▪ Auto dim on battery and auto bright on AC power (selectable in BIOS)
External video	Supports dual display and dual view
External CRT resolutions	Supports standard IBM VGA compatible modes Maximum resolution: 1920×1440 Maximum color depth: 32-bit colors
External CRT maximum refresh rate	85 Hz at 1600×1200 75 Hz at 2048×1538

Audio

Sound support	▪ Conexant SmartAMCi Audio Modem Codec (AMC) CX20468-31 ▪ AC'97 Revision 2.3 Compliant NOTE: This notebook does not have an internal microphone or SPDIF.
Volume controls	▪ Volume control keys on keyboard ▪ Software control provided through Windows
Internal speakers	▪ Stereo speakers built into the front of notebook ▪ 1.0 W maximum output for each channel
Internal microphone	Omni-directional, low impedance
Audio jacks	▪ Stereo headphone output ▪ Stereo microphone input

Communications

Modem features	■ Conexant SmartDAA CX20493-21AMCI 56K v.92 modem ■ Uses the RJ-11 jack on the back of the notebook ■ Supports Wake on Ring from S3 power mode
10/100/1000 Mbps Ethernet interface features	■ Integrated IEEE 802.3 (10/100/1000BASE-T) Gigabit Ethernet interface ■ Uses the RJ-45 jack on the back of the notebook ■ Supports Wake on LAN from S3 in battery mode and Wake on LAN from S4 and S5 in AC mode
Wireless Ethernet interface features **(Factory installed option)**	■ Intel® PRO/Wireless IEEE 802.11b/g network card embedded in the notebook -OR- ■ Intel® PRO/Wireless IEEE 802.11a/b/g network card embedded in the notebook FN+F2 keyboard combination toggles wireless networking **Antenna:** Uses factory-installed internal antenna assembly **Operating channels:** 11 selectable channels **Security:** 128 and 64 bit WEP encryption **Operating Frequency** ■ 2.4 GHz Direct Sequence Spread Spectrum (IEEE 802.11b and IEEE 802.11g) ■ 5.0 GHz (IEEE 802.11a) **Maximum Data Rate** ■ 54 Mbps (IEEE802.11g and IEEE 802.11a) ■ 11 Mbps (IEEE802.11b)

Input/Output (I/O)

Keyboard	■ U.S. English keyboard ■ Full-sized 84-keys ■ Full-sized 21-key keypad ■ 19 mm × 19 mm key pitch ■ 3.0 mm keystroke
Pointing device	■ Gateway EZ-Pad™ touchpad with vertical scroll ■ 2-button design
Status indicators	■ AC power ■ Wireless Ethernet ■ Caps lock ■ Num lock ■ Hard drive access

Input/Output (I/O) ports	• Four USB 2.0 (4-pin) • IEEE 1394 (4-pin) • V.92, 56K Modem (RJ-11) • 10/100/1000 Ethernet (RJ-45) • External monitor (VGA) • Stereo headphone output • Stereo microphone input • PC Card socket (one Type II) • S-Video TV out • DC input
PCMCIA	• Accepts one Type II device • TI PCI7411 controller NOTE: This notebook does not support Zoom Video.

Docking solution

Type	Port replicator
Docking supported	• Hot dock • Warm dock • Cold dock
Input/Output (I/O ports)	• Ethernet (RJ-45) • Modem (RJ-11) • S-Video TV out • Four USB 2.0 (4-pin) • External monitor (VGA) • Parallel • High-speed serial • IEEE 1394 (4-pin) • Stereo headphone output • Stereo microphone input • Docking port • DC input
Security	Kensington lock loop

Storage

Hard drive	- User removable 2.5-inch diameter 9.5 mm height To find the hard drive capacity, click **Start**, then click **My Computer**. Right-click the drive letter, then click **Properties**. The drive's capacity and available space appears. If the drive has multiple partitions (for example, C: and D:), add the capacities of each partition to determine the drive's total capacity.
Memory card reader	Supports the following card types: - Memory Stick$^®$ - Memory Stick Pro$^®$ - MultiMediaCard^{TM} - Secure Digital^{TM}
Optical drive **(factory installed)**	Available drives include: - Combination DVD/CD-RW - DVD±R/±RW drive To determine the type of optical drive in your system, examine the drive tray's plastic cover. A DVD logo in combination with a CD-R/RW logo indicates a DVD drive that also is a recordable/rewritable CD drive, and a DVD ReWritable logo in combination with a CD-R/RW logo indicates a recordable/rewritable DVD drive that also is a recordable/rewritable CD drive.

Power

AC adapter	19 VDC, 4.74A, 90 W output
	▪ Automatically adjusts for 100 to 240 VAC, 50 to 60 Hz power sources
	▪ Three-wire design
Battery type	▪ Removable Lithium Ion battery pack
	▪ Embedded controller inside to support SBS 1.1

Battery capacity

6-cell

- 4.8 Ah
- 11.1 V nominal
- 53.2 Whr

8-cell

- 4.8 Ah
- 14.8 V nominal
- 71 Whr

12-cell

- 6.6 Ah
- 14.8 V nominal
- 97 Whr

Battery life varies depending on configuration, programs, power management settings, and features used. Recharge time varies, depending on usage.

Power management	▪ Advanced Configuration and Power Interface 2.0 (ACPI 2.0) support
	▪ SMBIOS 2.3
	▪ PC 2001 compliant
	▪ Mobile Intel® Pentium® M supports Intel® Speedstep™ technology
Controls	Icon on taskbar shows battery charge as a percentage remaining
Power switch	Supports Power On/Off, Standby/Resume, Hibernate using Windows Setting, Shutdown
Lid switch	LCD On/Off, Standby, Hibernate

Security

Passwords	▪ Power-on password (user/supervisor password set in BIOS)
	▪ Hard drive password
Physical	▪ Main system memory compartment screws
	▪ Hard drive cover screw
	▪ Kensington® security slot on notebook back

System software

Operating system	▪ Microsoft® Windows® XP Professional ▪ Microsoft® Windows® XP Home Edition
System management	▪ SMBIOS 2.3 BIOS support ▪ Advanced Configuration and Power Interface 2.0 (ACPI 2.0) support ▪ Support for Wake on LAN from S3 power mode ▪ Wired for Management 2.0 (WfM 2.0) enabled
System compatibility	▪ PC2001 specification ▪ SMBIOS 2.3 ▪ Windows Hardware Quality Labs (WHQL) certified
Quick boot	Supported

Physical specifications

Dimensions	~16.1 $\times$ 10.9 $\times$ 1.4 in. (W $\times$ D $\times$ H) ~408 $\times$ 276 $\times$ 36 mm (W $\times$ D $\times$ H)
System weight	~8.8 lbs. (~4.0 kg) Includes optical drive and battery Weight varies based on configuration
AC adapter weight	~1.25 lbs (~0.57 g) 90 W adapter Includes cord

Environment

Operating temperature	50°F to 90°F (10°C to 32°C)
Storage temperature	4°F to 140°F (-15°C to 60°C)
Operating humidity	20% to 80% relative humidity; no condensation